

Message

From: Shea, Valois [Shea.Valois@epa.gov]
Sent: 6/8/2016 11:02:11 PM
To: Bahrman, Sarah [Bahrman.Sarah@epa.gov]
Subject: RE: Pine Ridge rads info in DW

Thanks, Sarah! This info is very helpful. I didn't realize the White River Group was present on the Pine Ridge. The White River Group is thought to be the original source of the uranium that was mobilized and deposited in the Inyan Kara Group at Dewey-Burdock.

Valois

Valois Shea
U.S. EPA Region 8
MailCode: 8P-W-UIC
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: (303) 312-6276
Fax: (303) 312-6741
Email: shea.valois@epa.gov

From: Bahrman, Sarah
Sent: Wednesday, June 08, 2016 3:47 PM
To: Minter, Douglas <Minter.Douglas@epa.gov>; Shea, Valois <Shea.Valois@epa.gov>; Garcia, Bert <Garcia.Bert@epa.gov>; Chergo, Jennifer <Chergo.Jennifer@epa.gov>; Davis, Natasha <Davis.Natasha@epa.gov>
Subject: Fwd: Pine Ridge rads info in DW

Hi all-

Here's what Andrea was able to pull together quickly about Rads in DW. Not knowing the exact concerns that have been raised, let me know if you think this is helpful or if we should try to get more detail from IHS or SDDENR.

Thx

Begin forwarded message:

From: "Griese, Andrea" <Griese.Andrea@epa.gov>
Date: June 8, 2016 at 2:42:06 PM EDT
To: "Bahrman, Sarah" <Bahrman.Sarah@epa.gov>
Subject: Re: Pine Ridge question

Hi Sarah,

I went over and talked with Mike Boland (IHS) and there is an area that does have high rads near Red Shirt. Back before I started (pre-2001) there was a community water system at Red Shirt that had treatment for rads (if I'm remembering correctly) but they ultimately decided to hook up to rural water.

Also, when IHS drills a private well they test and if it comes back high for rads they provide a POU device and one filter. After that, O&M of the POU is the responsibility of the homeowner. Mike didn't have a way to get the numbers or exact locations, etc. on these though.

USGS has the following reports that looks like it may have useful info for the UIC project:

<http://pubs.usgs.gov/wri/wri994063/>

USGS WRIR 99-4063 Water Quality of Pine Ridge Indian ...

pubs.usgs.gov

Water Quality of Selected Springs and Public-Supply Wells, Pine Ridge Indian Reservation, South Dakota, 1992-97

Another note: back from my state of SD days, there is an area in that part of the state (including some of the southern black hills) that has naturally occurring rads.

Hope that helps!

Andrea

Andrea Griese, PE
Environmental Engineer
USEPA Region 8 - Pierre Office
Drinking Water Unit B
420 S. Garfield - Ste 500
Pierre, SD 57501
(605) 945-1192

From: Bahrman, Sarah
Sent: Wednesday, June 8, 2016 12:52:00 PM
To: Griese, Andrea
Subject: Pine Ridge question

Hi Andrea –

Hope you're having a good week. For a UIC project, concerns about uranium contamination in private wells on the Pine Ridge reservation came up from citizens. Do you know of any data that IHS, BOR or others have on U in ground water on that reservation? I had heard arsenic concerns previously but not uranium.

Thanks
Sarah

Sarah E. Bahrman | Acting Director, Water Program | U.S. Environmental Protection Agency - Region 8

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(p) 303.312.6243 | (c) 303.903.8515 | (f) 877.876.9101